

# NERT / NDEP / EPA BI-WEEKLY PROGRESS REPORTING

May 24, 2017

(877) 848-7030; Passcode 5921807

CRITICAL PATH ITEMS		
NERT	NEVADA	AECOM
	1. Working with BWPC on weir dewatering treatment NPDES permit; application submitted on 12/28/16.	

GWETS STATUS			
GW-11	EBR	IX	LIFT STATIONS / WELL FIELDS
<ul style="list-style-type: none"> <li>Hybrid (EQ)</li> <li>Volume 40.6 MG</li> <li>W/W – ~ 4.2 MG</li> </ul>	<ul style="list-style-type: none"> <li>Condition normal.</li> </ul>	<ul style="list-style-type: none"> <li>Condition normal (~250 GPM)</li> </ul>	<ul style="list-style-type: none"> <li>Lift Stations normal.</li> <li>Implementation of LS#2 Corrective Action Plan complete; Awaiting soil disposal.</li> </ul>

NERT REMEDIAL INVESTIGATION STATUS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
<b>Community Involvement</b>	CIP, Revision 2 approved by NDEP on 5/10; Printing of Community Mailing Documents in progress, Update of Trust website completed and preparation for Community Meeting in progress.	Complete distribution of community mailing (incl. email); Community interview meeting scheduled for 6/21.	Ongoing
RI Phase 2 Access Agreements	Identification of access requirements in progress. Received approved permits from COH for owned property and ROW work; Agreement w/ BEC in place.	Communication with the remaining entities.	Ongoing
<b>Phase 2 RI Investigation</b>	Installed 36 wells, drilled 46 soil borings, collected approx. 575 soil samples, and developed and sampled 17 wells to date.	Continued Phase 2 RI field investigation and data evaluation. Distribution of door tags for Pittman neighborhood in progress.	Wk 25/46 50%
Soils Investigation (Unit 4/5)	68 borings have been completed; Groundwater well installed north of Unit 4 sampled on 1/3/17. Second Mobilization Tech Memo submitted to NDEP on 5/8/17.	Awaiting NDEP comments on Tech Memo (incl. third mobilization boring and well locations).	-
Treatability Study : Flushing	Received NDEP comments on treatability study results report (5/2/17) and DVSR (5/9/17).	Submittal of revised DVSR by 6/23/17 and revised report by 7/3/17.	-
Treatability Study : SWF GWB	Initial wells installed. UNLV studies in progress. Borehole dilution and slug testing completed. UIC permit application submitted 5/9/17. Monitoring and injection well installation underway.	Baseline sampling and first round of injections scheduled to begin in early August.	Wk 28/90 28%
Treatability Study : IWF In-Situ (Cr)	Well installation complete in AP Area and CRB; Baseline sampling complete. UNLV studies in progress. Initial injection event completed.	Performance groundwater monitoring and data evaluation. Second injection event in June.	Wk 31/55 55%
GW Modelling – Phase 5	Phase 5 model submitted to NDEP on 11/16/16; RTC submitted to NDEP on 5/3/17 (no Stakeholder comments received).	Submittal of Phase 6 model revisions to incorporate Phase 5 comments and new RI data.	-

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TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Operations Area Baseline HRA	Met with NDEP on 12/19/16 to discuss comments and agree on path forward; Meeting notes finalized by NDEP on 4/13/17. NDEP approved extension in due date (to 11/15/17) for COPC/DU Report; Revising COPC/DU Report; Reviewing Neptune Memorandum on COPC identification and exposure areas.	Submittal of revised COPC/DU Report by 11/15/17.	Wk 8/33 25%
<b><u>Phase 3 Remedial Investigation Work Plan</u></b>	Agency concurrence received re: revised RAOs and RI execution strategy. Phase 3 RI Work Plan submitted to NDEP on 5/7. Coordination with BMI re: access to investigation locations in progress.	NDEP review of Phase 3 RI Work Plan. Preparation of scope of work and budget estimate for implementation of investigation. Trust to schedule meeting with Metropolitan to discuss OU strategy.	-
Phase 2 Remedial Investigation Modifications	NDEP approved modification requests:  1. Additional onsite wells west of GW-11 to evaluate presence of VOCs in groundwater. 2. Extending depth of 3 soil borings proposed between AWF and SWF to 150 ft bgs to determine vertical extent of perchlorate in UMCf.	Evaluation of data in Unit 4/5 and Leach Plant Areas and possible modification of scope of work in Leach Plant Area. Preparation of modification to perform surface water sampling in Las Vegas Wash.	Ongoing

NDEP DOWNGRAIDENT INVESTIGATION STATUS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
AECOM TASK 131 EA for LVW/BOR Area	AECOM submitted the Draft Environmental Assessment (EA) for review. Biological assessment (BA) in preparation. BOR biologist expects only informal consultation required for biological (desert tortoise) impacts.	Submittal of Draft EA to BOR in late May. Submittal of BA to NDEP for approval by 5/26.	Wk 45/105 40%
AECOM TASK 151 SW Investigation	Draft technical memorandum is under preparation.	Submit Preliminary Draft Tech Memo by 6/9.	Wk 44/48 70%
AECOM TASK 160 Geophysical Pilot Test Plan	Draft technical memorandum is under preparation.	Submit Preliminary Draft Tech Memo by 6/9.	Wk 74/72 80%
<b><u>AECOM TASK 170 GW Investigation</u></b>	Incorporated Stakeholder (MWD) comments and issued Final Groundwater Work Plan on 5/19/17. NDEP requested that AECOM add Appendix showing response to comments.	Resubmittal of final Work Plan (incl. Stakeholder's RTCs in Appendix). Perform monthly well gauging of transducer-equipped wells. Groundwater sampling implementation pending BOR approval of EA.	Wk 35/67 24%

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GWETS / COP PROJECTS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
ETI Work Authorizations / Amendments	In Negotiation <ul style="list-style-type: none"> <li>IWF data capture updates</li> <li>GW sampling amendments</li> <li>AP-5 Treatment amendment</li> </ul>	-	Ongoing
<b>AP-5 Solids Removal</b>	Construction of balance of plant complete; Remainder of pond material to be removed during pond closure activities. Final system commissioning conducted w/ ETI.	Addressing 6 punch list items.	Wk 16/13 95%
<b>AP-5 Water Treatment</b>	Solids washing on-going. Finalization of amendments and work authorizations with ETI and Tetra Tech underway; Target start of treatment : July.	-	TBD
<b>AP-5 Closure</b>	Trust to determine next steps.	-	TBD
<b>GWETS/NET</b>	Repair of site in progress; Trust determining Evus replacement strategy.	Rollout v 1.2 (historical data) and v1.3 (IX and GW-11 instrumentation).	Ongoing
Pipeline Flow Evaluation	NDEP approval on project received 8/18/16. Initial implementation costs inclusive to 2017 budget. Pipeline samples collected; system evaluation underway.	Coordination with ETI; Preparation of evaluation tech memo by 6/30.	TBD
Pipeline Easements	Title search complete. Approx. 75% of pipeline appears to have significant easement issues.	NERT to determine strategy and budget for continuation of the project.	70%
Water Management Plan	NERT determining multi-year strategy for GW-11 replacement, AP-5 treatment and continued implementation of the COP.	NERT to present strategy to NDEP/EPA.	TBD
AP Area Soil Flushing Treatability Study	Project implementation in progress. More than 13,300 lbs. of ClO <sub>4</sub> removed from environment. Flushing at Plot 1; Subplots 1, 2, 4, 5, 7, and 8.	Complete downflushing plot 1; Preparing plot 2 for downflushing.	Wk 31/54 43%

OTHER ENVIRONMENTAL PROJECTS			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
TIMET EE/CA	NERT to work with NDEP on finalization of order.	NERT to determine sufficient EE/CA timeline to incorporate results of two studies (ToxSorb and APTwater).	TBD
Parcels Risk Assessment	<ul style="list-style-type: none"> <li>Met with NDEP on 12/19/16 to discuss comments and agree on path forward. Meeting notes finalized by NDEP on 4/13/17.</li> <li>Submitted DVSR/EDD for Parcel C soil data to NDEP on 3/27/17.</li> <li>NDEP provided comments on 2006 DVSR/EDD and requested revision of DVSR on 3/13/17.</li> </ul>	<ul style="list-style-type: none"> <li>Preparation of response to NDEP comments received via email on 4/4/17.</li> <li>Submittal of Parcel C, D, and G HRA Report by 7/31/17.</li> <li>Submittal of Parcel F HRA Report by 10/20/17.</li> </ul>	Wk 8/18 35% (for Parcel C, D, and G submittal)

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TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
	<ul style="list-style-type: none"> <li>NDEP approved (on 4/3/17) strategy change and revised due dates. NDEP provided comments on this approval letter via email on 4/4/17.</li> <li>Evaluating schedule change (acceleration) for Parcel F and H HRA reports (pending schedule for Parcel F area borings during RI and pending NDEP response on Parcel H rad data evaluation).</li> </ul>	<ul style="list-style-type: none"> <li>Revision to Parcel H 2006 Upgradient Dataset DVSR being initiated.</li> <li>Revisions to Parcel H HRA following receipt of input from NDEP on NERT's Parcel H rad data evaluation (dated 1/13/16) and resolution of NDEP comments on Parcel H 2006 DVSR (per email from NDEP 3/13/17).</li> </ul>	
Parcel C Soil Removal Report	Soil removal complete; DVSR/EDD for Parcel C data sets submitted to NDEP on 3/27; Soil Removal Report submitted to NDEP on 5/10.	Respond to NDEP comments, if any, submit NFA request	TBD

NDEP ORDER : SNWA WEIRS GROUNDWATER TREATMENT			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
<u>Land Access : BOR</u>	BOR entry permit received 5/10 but may require modification.	Confirm revised system readiness date.	Ongoing
<u>Land Access : CC and COH</u>	Week of 5/1 – Trust submitted RTC letters to COH Community and Services Dept., COH Building and Fire Safety Dept., COH Dept. of Public Works; and COH Parks and Recreation Dept.	Receipt of additional COH comments; Submittal of additional permit applications, as required.	Ongoing
Treatment System Design	75% design package submitted; NDEP comments received and will be addressed with 100% design to be submitted this week.	Submittal of 100% design.	Ongoing
<u>Treatment System Construction</u>	Construction contractor bids received; Evaluation in progress.	Selection of contractor.	Ongoing
Minor Source Air Permit Application	Permit application submitted 5/17.	Receipt of draft air permit	Ongoing

TRUST ADMINISTRATION			
TASK *	CURRENT STATUS	UP-NEXT	SCHEDULE
Budget Status	2017 Budget approved 4/7/17.	NERT to distribute updated master schedule.	Ongoing
<u>Stakeholder Relations</u>	Preparation of minutes from prior events in progress.	Technical Roundtable call in late June to discuss Las Vegas Wash Bioremediation Pilot Study.	Ongoing
Tronox LTCA Projects	11 active projects; no projects approval pending.	Invoice 105 to be submitted.	Ongoing
BWC / BEC Negotiations	<u>In Progress</u> <ul style="list-style-type: none"> <li>LS#2 easement amendment</li> <li>Pipeline investigation access</li> </ul>	<u>To Be Discussed</u> <ul style="list-style-type: none"> <li>Corrective easements for pipelines</li> <li>Phase 3 access</li> </ul>	Ongoing

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TRUST ADMINISTRATION			
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Chlorine Line	Ongoing negotiation with all parties.	NERT to discuss with NDEP when appropriate.	Ongoing
Easement for Parcel E (+ Western Slice)	Henderson GW, LLC provided a draft easement for Parcel E and the powerline area.	NERT to response to proposed easement terms and present to NDEP.	Ongoing
<u>Perchlorate Reimbursement</u>	100% of fifth payment demand received on 5/5/17; \$3,784,450.96.		Ongoing
<u>AIG Claims</u>	Jan - Apr 2016 submitted 9/12/16. May - June 2016 submitted 12/5/16. Jul - Dec 2016 submitted 4/19/17.	Submit 2017 invoices.	Ongoing
<u>Tronox Escrow</u>	NERT to resolve when appropriate.		TBD
<u>Financial Reporting</u>	April (monthly) and 1Q17 reports distributed.	Distribution of May report.	Ongoing
<u>Tronox Lease Matters (Confidential)</u>	-		

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